

OK to enter
03/10/05
M&

Application Serial No. 10/030,999

This listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

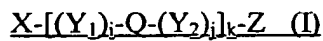
1-7. (Cancelled)

8. (Currently Amended) Surface according to claim 6-14, wherein said surface is selected from the group consisting of a SiO₂ surface of a silicon wafer, glass, quartz, fused silica, gold and a polymer.

9-13. (Cancelled)

14. (Currently Amended) ~~Surface according to claim 11~~

A surface carrying a linker system comprising a compound for activating surfaces for bioconjugation having the following general formula (I):



wherein:

X is a reactive group capable of covalently binding to a surface and is selected from the group consisting of a SiW₃ group with W being a hydrolyzable atom or group, a group capable of forming free radicals on exposure to light, an anthrathione group or a derivative thereof, an anthraquinone group or a derivative thereof, and a benzophenone group or a derivative thereof;

Z is a reactive group capable of covalently binding to a biomolecule, is capable of nucleophilic substitution reactions, nucleophilic addition reactions, Diels-Alder reactions or radical substitutions, and is selected from the group consisting of a diene group, a dienophilic group, an aldehyde group, a hydroxyl group, a carboxylic acid group, an active ester group, an amino group, a thiol group, an aziridine group, an isocyanate group, an isothiocyanate group, an azide group, and a reactive leaving group;

X is not Z;

Y₁ and Y₂ are, independently from each other, CR₁R₂;

R₁ and R₂ are, independently from each other, H, C₁-C₄ alkyl, C₁-C₄ alkoxy or C₁-C₄ acyloxy;